

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. **(Currently Amended)** ~~A multi-mode multi-band mobile communication terminal capable of communicating which can communicate with an[[the]] asynchronous mobile communication system and a[[the]] synchronous mobile communication system, the mobile communication terminal and which performs hand-over between the asynchronous mobile communication system and the synchronous mobile communication system, comprising:~~

~~an asynchronous modem configured to communicate during communicating with the asynchronous mobile communication system, if conditioned in a predetermined hand-over, an asynchronous modem outputting a modem operating signal for operating a modem to transfer and receive the signal of the synchronous mobile communication system; and~~

~~a synchronous modem coupled to the asynchronous modem and configured to communicate with the synchronous mobile communication system, the synchronous modem having operating modes including a power-off mode, an idle mode, and a low power mode consuming less power than the idle mode, the low power mode referring to a time period during which the synchronous modem is powered-on but transmitting and receiving of information by the synchronous modem are suspended;~~

~~wherein the asynchronous modem is configured to, after the mobile communication terminal enters a predetermined hand-over cell defined between the asynchronous mobile communication system and the synchronous mobile communication system, output a modem operating signal to the synchronous modem for instructing the synchronous modem to leave the power-off mode and enter the low power mode operated in an off state according to the modem operating signal outputted from the asynchronous mobile communication system and then transited to a low power mode, which is a standby mode, wherein said multi-mode multi-band mobile communication terminal performs the hand-over to the multi-mode multi-band mobile communication terminal according to the hand-over triggering from the asynchronous mobile communication system by the synchronous modem in the standby mode.~~

2. **(Currently Amended)** The ~~multi-mode multi-band~~ mobile communication terminal according to claim 1, wherein characterized in that if the asynchronous modem is configured to determine if the mobile communication terminal is in the transmits or receives signals to and from the asynchronous mobile communication system for setting a call, it determines that the hand-over cell condition is satisfied during transmitting or receiving signals to and from the asynchronous mobile communication system for setting a call.

3. **(Currently Amended)** The ~~multi-mode multi-band~~ mobile communication terminal according to claim 2, wherein characterized in that after operating the modem and performing a hand-over from the asynchronous communication system to the synchronous communication system, the synchronous modem transmits and receives signals to and from the synchronous communication system for and maintain the call setting state.

4. **(Currently Amended)** The ~~multi-mode multi-band~~ mobile communication terminal according to claim 1, wherein the asynchronous modem is configured to automatically output the modem operating signal to the synchronous modem once characterized in that the mobile communication terminal enters the asynchronous mobile communication system area and the hand-over cell, which is a boundary area of the synchronous mobile communication system area, the synchronous modem automatically requests to operate the synchronous modem.

5. **(Currently Amended)** The ~~multi-mode multi-band~~ mobile communication terminal according to claim 4, wherein characterized in that after operating the modem and performing the hand-over, the synchronous modem is configured to maintain[[s]] the idle state after performing a hand-over.

6. **(Currently Amended)** The ~~multi-mode multi-band~~ mobile communication terminal according to claim 1, wherein characterized in that the low power mode of the synchronous modem refers to the time period during which represents that although the power of the synchronous modem is on, the transmitting and the receiving of information are suspended, and a CPU operation of the synchronous modem is stopped.

7. (Currently Amended) A method of handing-over communication with a mobile communication terminal method of a multi-mode multi-band between an asynchronous a synchronous communication system network and a synchronous communication system network, the mobile communication terminal which can communicate with a asynchronous mobile communication system and a synchronous mobile communication system, and which comprises an asynchronous modem for communicating with the asynchronous communication system and a synchronous modem for communicating with the synchronous communication system, the synchronous modem having operating modes including a power-off mode, an idle mode, and a low power mode consuming less power than the idle mode in a mobile communication network where a predetermined size of hand over cell exists between the asynchronous mobile communication system and the synchronous mobile communication system, the method comprising:

a first step of determining if the mobile communication terminal enters a predetermined hand-over cell defined between the asynchronous mobile communication system and the synchronous communication system the condition of the hand-over; and

if the mobile communication terminal hand-over condition is determined to be in the hand-over cell, outputting, by the asynchronous modem, a modem operating signal to the synchronous modem for instructing the synchronous modem to leave the power-off mode and enter the low power mode, the low power mode referring to a time period during which the synchronous modem is powered-on but transmitting and receiving of information by the synchronous modem are suspended in the first step, a second step of operating the synchronous communication network of the mobile communication terminal and transited to a low power mode, which is a standby mode, wherein said the hand-over method performs the hand-over to the synchronous mobile communication system according to the triggering of the hand-over from the asynchronous mobile communication system by the synchronous modem in the standby mode.

8. (Currently Amended) The hand-over method of a multi-mode multi-band between na asynchronous communication network and a synchronous communication network according to claim 7, wherein the determination of if the mobile communication terminal enters the

predetermined hand-over cell is performed during a time period of transmitting or receiving ~~first step is characterized in that if the asynchronous modem transmits or receives signals to and from the asynchronous mobile communication system for setting a call, it determines that the hand-over condition is satisfied, and requests to the synchronous modem to be operated.~~

9. **(Currently Amended)** ~~The hand-over method of a multi-mode multi-band between an asynchronous communication network and a synchronous communication network according to claim 8, further comprising~~ characterized in that after operating the synchronous modem and performing the hand-over, the synchronous modem transmitting and receiving transmits and receives signals to and from the synchronous communication system for and maintain the call setting state.

10. **(Currently Amended)** ~~The hand-over method of a multi-mode multi-band between a synchronous communication network and a synchronous communication network according to claim 7, wherein the~~ output of the modem operating signal is performed automatically once the mobile communication terminal is determined to be in the predetermined hand-over cell ~~first step is characterized in that if the asynchronous modem enters a hand-over cell, which is a boundary area of a asynchronous mobile communication system area and a synchronous mobile communication system area, the asynchronous modem automatically requests the synchronous modem to be operated.~~

11. **(Currently Amended)** ~~The hand-over method of a multi-mode multi-band between a synchronous communication network and a synchronous communication network according to claim [[11]]10, further comprising~~ characterized in that after operating the synchronous modem and performing the hand-over, the synchronous modem maintains maintaining the idle state.

12. **(Currently Amended)** ~~The hand-over method of a multi-mode multi-band between a synchronous communication network and a synchronous communication network according to claim 11, wherein the~~ characterized in that a low power mode of the synchronous modem refers to the time period during which represents that although the power of the synchronous modem is

on, the transmitting and the receiving of information are suspended, and a CPU operation of the synchronous modem is stopped.

13. **(Currently Amended)** A method of handing-over method of a multi-mode multi band—a mobile communication terminal between an asynchronous the synchronous communication system network and an[[the]] synchronous communication systemnetwork, the mobile communication terminal which can communicate with the asynchronous mobile communication system and the synchronous mobile communication system, and which comprises an asynchronous modem for communicating with the asynchronous communication system and a synchronous modem for communicating with the synchronous communication system, the synchronous modem having operating modes including a power-off mode, an idle mode, and a lower power mode consuming less power than the idle mode, the low power mode referring to a time period during witch the synchronous modem is powered-on but transmitting and receiving of information by the synchronous modem are suspendedin a mobile communication network where a predetermined size of hand over cell exists between the asynchronous mobile communication system and the synchronous mobile communication system according to the other embodiment of the present invention, comprising the step of, the method comprising:

when the mobile communication terminal performs an[[the]] hand-over from the asynchronous mobile communication system to the synchronous mobile communication system, transferring an initial power value received by the asynchronous modem of the mobile communication system from the asynchronous mobile communication system, wherein the synchronous mobile communication system comprises the steps of: calculating an initial transmitting power value based on an initial power value received by the asynchronous modem and an average receiving power of the synchronous modem;

receiving-transmitting, by the synchronous modem, a connection requesting signal at the transferred by an initial transmitting power value to the synchronous communication system;

receiving, by the synchronous modem, a response transmitted from the synchronous communication systemof the mobile communication terminal calculated based on the initial power value from the mobile communication terminal and transferring a response to the connection-requesting signal to the mobile communication terminal; and

transmitting and receiving [[a]] traffic between the synchronous mobile communication system and the mobile communication terminal.

14. **(Currently Amended)** The ~~hand-over method of a multi-mode multi band between the asynchronous communication network and the synchronous communication network according to claim 13, wherein~~ characterized in that: the calculation of initial transmitting power value comprises ~~is calculated by subtracting the~~[[an]] average power value of the ~~synchronous modem from the initial electric power value,~~[[;]] the average ~~receiving~~ power value of the ~~synchronous modem is being~~ calculated based on ~~by the~~ power values transmitted from a [[the]] base transceiver station of the synchronous communication ~~mobile system, where the synchronous modem locates;~~ and the initial power value is determined based on an ~~by the~~ average value of [[the]] power values outputted from the mobile communication terminal during communication with[[in]] the asynchronous mobile communication system.

15. **(Currently Amended)** The ~~hand-over method of a multi-mode multi band between the synchronous communication network and the synchronous communication network according to claim 14~~[[13]], wherein the calculation of ~~characterized in that: the initial transmitting power value further comprises~~ calculated by the mobile communication terminal is calculated by subtracting the average receiving value of the synchronous modem from the initial power value and further adding an offset power thereto; the average receiving power value of the synchronous modem is the average value of the power value transmitted from the base transceiver station to be received where the synchronous modem locates, and the initial power value is determined by the average of the power value outputted from the asynchronous mobile communication system to the mobile communication terminal; and the initial transmitting value is corrected by the offset power.

16. **(Currently Amended)** The ~~hand-over method of a multi-mode multi band between the asynchronous communication network and the synchronous communication network according to claim 13, further comprising receiving, by the asynchronous modem,~~ characterized in that at the time of the hand-over of the mobile communication terminal, the initial power value

and ~~is transmitted together with~~ a hand-over requesting message transmitted from the asynchronous mobile communication system ~~to the mobile communication terminal.~~